SECASI - (delauftwep. 1) SESE VI-1 Cat 7 (set ) (writer tick)	
○	<u>xisi2</u>
To Defts  O Pending  Active  July (10) ((Blunts on Champers) Same Green Same Ceramic)  O Failed	
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/ / 1/3 Delaitr	, AUM (

DOCUMENT-IDENTIFIER: US 4750084 A TITLE: Ceramic laminated capacitor

#### BSPR:

To solve this problem, methods of producing an approximately cylindrical

ceramic laminated capacitor from a rectangular parallelepipedic chip by

chamfering the outer peripheral corners of the rectangular parallelepipedic

chip in the step of grinding or cutting before or after the step of baking have

recently been proposed (Japanese Patent Laid-Open No. 34622/1984, Japanese

Patent Laid-Open No. 82712/1984). However, such chamfering process is very

difficult for small-sized chips. Chamfering a chip before the step of baking

involves a risk of inducing the displacement of the inner electrode or

separation between the green sheet layers, while chamfering a chip after the

step of baking takes much time because the chip after being baked is very hard.

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## **Document Listing**

Document	Image pages	Text pages	Error pages	
US 4750084 A	0	1	0	
Total	0	1	0	

DOCUMENT-IDENTIFIER: US 5871313 A

TITLE: Precise self-aligning chamfer method and apparatus

#### BSPR:

Finally, since the most cost effective method of producing chamfered substrates

is to chamfer the parts in a "green" or unfired state, there is an exposure to

the problem of delamination. Delamination is the undesired separating of the

layers of the ceramic substrate. The ceramic substrate, in its unfired state,

is actually a composite of many layers of ceramic compressed together, wherein

the layers tend to separate or delaminate when contacted by a cutting tool.

### DEPR:

Referring once again to FIGS. 5 and 6, a heater element 90 can be provided and

suitably attached to guide member 112 in the proximity of blades 116. Such a

heater element 90 may include a cartridge heater, such as, a firerod heater,

commercially available from Watlow of St. Louis, Mo. Heat can thus be applied

to the cutter assembly 110 for enhancing the cutting action as may be desirable

in a particular chamfering operation. In addition heat can be applied to

minimize a delamination problem often associated with "green" chamfering

methods. Another benefit of applying heat is that the heat facilitates

creation of larger shavings which are more readily removed away from the

substrate during a chamfering operation. Creation of larger shavings reduces

the chances of particulate debris or fused ceramic when the chamfered substrate

is subsequently sintered.

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## **Document Listing**

Document	Image pages	Text pages	Error pages	
US 5871313 A	0	1	0	
Total	0	1	0	